

1 **CLAIMS**

2 What is claimed is:

3 1. A self-fastening wall cabinet storage kit having a
4 bottom, top, left side, right side and front panel
5 comprising:

6 a bottom panel for enclosing the bottom of said wall
7 cabinet, said bottom panel having an upper surface, a lower
8 surface, a left end, and a right end, said left end including
9 a means of attaching said bottom panel to a left side panel
10 in a perpendicular relationship, said right end including a
11 means of attaching said bottom panel to a right side panel in
12 a perpendicular relationship;

13 a top panel for enclosing the top of said wall cabinet,
14 said top panel having an upper surface, a lower surface, a
15 left end, and a right end, said left end including a means of
16 attaching said top panel to a left side panel in a
17 perpendicular relationship, said right end including a means
18 of attaching said top panel to a right side panel in a
19 perpendicular relationship;

20 a back panel for enclosing the back of said wall
21 cabinet;

22 a left side panel for enclosing the left side of said
23 wall cabinet, said left side panel including an inner surface
24 and an outer surface, said inner surface including an

1 integrally molded track extending from a front portion of
2 said panel to a rear portion of said panel along an upper
3 portion thereof, said inner surface including a first
4 attachment means for attaching said left side panel to said
5 top panel in a perpendicular relationship, a second
6 attachment means for attaching said left side panel to said
7 bottom panel in a perpendicular relationship, and a third
8 attachment means for attaching said left side panel to said
9 back panel in a perpendicular relationship;

10 a right side panel for enclosing the right side of said
11 wall cabinet, said right side panel including an inner
12 surface and an outer surface, said inner surface including an
13 integrally molded track extending from a front portion of
14 said panel to a rear portion of said panel along an upper
15 portion thereof, said inner surface including a first
16 attachment means for attaching said right side panel to said
17 top panel in a perpendicular relationship, a second
18 attachment means for attaching said right side panel to said
19 bottom panel in a perpendicular relationship, and a third
20 attachment means for attaching said right side panel to said
21 back panel in a perpendicular relationship;

22 a flipper door constructed and arranged for enclosing
23 the front of said wall cabinet, said flipper door including
24 an outer surface, an inner surface, a top edge, a bottom

1 edge, a left edge, and a right edge, said left edge and said
2 right edge each including a pivot means defining an axis of
3 rotation therebetween and extending outwardly from an upper
4 portion thereof, wherein said left edge pivot means is
5 constructed and arranged to cooperate with said left side
6 panel track and said right edge pivot means is constructed
7 and arranged to cooperate with said right side panel track,
8 wherein said side panel tracks and said pivot means cooperate
9 to allow a lower portion of said flipper door to rotate about
10 said axis to an essentially horizontal position when in a
11 forward most position and thereafter slide inwardly in a
12 generally parallel and adjacent manner to said lower surface
13 of said top panel along said left and said right track
14 members to an essentially juxtaposed position beneath said
15 top panel thereby providing ingress into said wall cabinet;
16 wherein said wall cabinet can be shipped in a
17 disassembled state and assembled on a desired site without a
18 need for separate fasteners.

19

20 2. The wall cabinet as described in claim 1, wherein
21 said flipper door pivoting means includes a pair of D-shaped
22 outwardly extending pin members, said D-shaped pin members
23 including a flat side and a radiused side, wherein one of
24 said D-shaped pin members is integrally formed onto an upper

1 portion of said left edge and one of said D-shaped pin
2 members is integrally formed onto an upper portion of said
3 right edge, wherein said D-shaped members cooperate with said
4 left and said right track members to allow said flipper door
5 to rotate only while said flipper door is in a forward most
6 position and said D-shaped members operably engage said left
7 and said right track members to prevent rotation of said
8 flipper door while said flipper door is slid rearwardly into
9 said wall cabinet assembly.

10

11 3. The wall cabinet as described in claim 1 wherein said
12 tracks integrally molded into the inner surfaces of said left
13 and said right side panels are constructed and arranged to
14 accept a D-shaped pin member which extends outwardly from
15 each side of the upper portion of the left and right edges of
16 the flipper door, wherein said left and said right track
17 members cooperate with said D-shaped pin members to allow
18 said flipper door to rotate only while said flipper door is
19 in a forward most position and said left and said right track
20 members are constructed and arranged to prevent rotation of
21 said flipper door while said flipper door is slid rearward
22 into said wall cabinet assembly.

23

1 4. The wall cabinet as described in claim 3, wherein at
2 least one of said tracks integrally formed into the inner
3 surface of said left and said right side panels is
4 constructed as an inwardly depending track, wherein said
5 inwardly depending track has a generally circular front
6 portion and two generally parallel rearwardly extending track
7 portions terminating in a rear stop portion, wherein one of
8 said rearwardly extending track portions is a lower track
9 portion and one of said rearwardly extending track portions
10 is an upper track portion, wherein said lower track portion
11 extends rearwardly and tangentially from a lower quadrant of
12 said circular portion.

13

14 5. The wall cabinet as described in claim 4, wherein
15 said track circular front portion is constructed and arranged
16 to allow rotation of said cooperating D-shaped pin and said
17 rearwardly extending track portions are constructed and
18 arranged to allow linear translation of said cooperating D-
19 shaped pin after said rotation of said flipper door, wherein
20 said flat side of said cooperating D-shaped pin cooperates
21 with said upper track portion and said radiused side of said
22 D-shaped pin cooperates with said lower track portion to
23 prevent rotation of said flipper door during said linear
24 translation of said flipper door.

1 6. The wall cabinet as described in claim 1, wherein
2 said bottom panel and said top panel have a like-
3 construction.

4

5 7. The wall cabinet as described in claim 6, wherein
6 said means of attaching said like-constructed top and bottom
7 panels to said left side panel and said right side panel
8 includes a plurality of formed sockets arranged in a linear
9 fashion along said left and right edges and extending
10 inwardly between said top surface and said bottom surface,
11 said formed sockets being constructed and arranged to
12 cooperate with said left and right side panels, wherein said
13 top and said bottom panels are secured to said left and said
14 right side panels via said formed sockets.

15

16 8. The wall cabinet as described in claim 7, wherein
17 said upper surface and said lower surface of said like-
18 constructed top and bottom panels include a groove extending
19 between said left and said right ends and near a rear portion
20 of said panels, said grooves constructed and arranged to
21 cooperate with said back panel;

22 wherein said grooves increase structural integrity of
23 said wall cabinet by inhibiting said back panel from bowing

1 or bending inwardly or outwardly, and wherein said back panel
2 is secured within said wall cabinet assembly.

3

4 9. The wall cabinet as described in claim 8, wherein at
5 least one of said formed sockets include an aperture
6 therethrough, wherein said aperture is constructed and
7 arranged to cooperate with at least one spring-tab
8 constructed and arranged for mating engagement on each of
9 said left side panel and said right side panel.

10

11 10. The wall cabinet as described in claim 1, wherein
12 said bottom surface of said bottom panel includes integrally
13 formed cross-bracing, wherein said cross-bracing provides
14 increased weight capacity and stability to said wall cabinet
15 assembly.

16

17 11. The wall cabinet as described in claim 1, wherein
18 said first attachment means for attaching said left side
19 panel to said top panel includes a plurality of locking
20 posts, and said second attachment means for attaching said
21 left side panel to said bottom panel includes a plurality of
22 locking posts, wherein said locking posts are brought into an
23 coupling engagement with corresponding formed sockets in said

1 top panel and said bottom panel resulting in a mechanically
2 secure connection between said left, top, and bottom panels.

3

4 12. The wall cabinet as described in claim 11 wherein
5 said left side panel locking posts include at least one
6 integrally formed spring-tab, wherein said at least one
7 spring-tab is constructed and arranged to cooperate with said
8 formed sockets for positively maintaining secure coupling
9 engagement between said left, top, and bottom panels.

10

11 13. The wall cabinet as described in claim 1, wherein
12 said first attachment means for attaching said right side
13 panel to said top panel includes a plurality of locking
14 posts, and said second attachment means for attaching said
15 right side panel to said bottom panel includes a plurality of
16 locking posts, wherein said locking posts are brought into
17 coupling engagement with corresponding sockets in said top
18 panel and said bottom panel resulting in a mechanically
19 secure connection between said right, top and bottom panels.

20

21 14. The wall cabinet as described in claim 13 wherein
22 said right side panel locking posts include at least one
23 integrally formed spring-tab, wherein said at least one
24 spring-tab is constructed and arranged to cooperate with said

1 formed sockets for positively maintaining secure coupling
2 engagment between said right, top, and bottom panels.

3

4 15. The wall cabinet as described in claim 1 wherein
5 said flipper door includes a latch means constructed and
6 arranged for releasably securing said flipper door to said
7 left and said right side panels;

8

9 16. The wall cabinet as described in claim 15 wherein
10 said latch means includes at least one spring-lock integrally
11 formed into a lower portion of said left and said right edges
12 of said flipper door, said at least one spring lock
13 constructed and arranged to cooperate with a catch plate
14 depending from a front portion of said left and said right
15 side panels for releasably securing said flipper door.

16

17

18

19

20

21

22

23

24